Title: METHODS AND COMPOSITIONS OF GENE DELIVERY AGENTS FOR SYSTEMIC AND LOCAL THERAPY Applicant: John Hilfinger et al.
Atty. Docket: TSR-10002/38
Attorney: Avery N. Goldstein (248) 647-6000

1/7

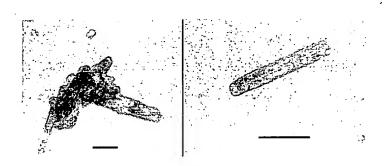


Figure 1. TEM of BAC/pDNA complex.

Atty. Docket: TSR-10002/38 Attorney: Avery N. Goldstein (248) 647-6000

2/7

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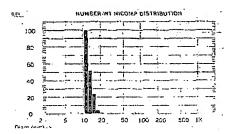


Figure 2a

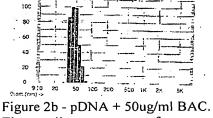


Figure 2b - pDNA + 50ug/ml BAC. Time until measurement after mixing 0 min. (complex is negatively charged)

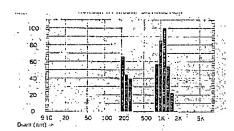


Figure 2c - pDNA + 200ug/ml BAC. Time until measurement after mixing 0 min. (complex is neutrally charged)

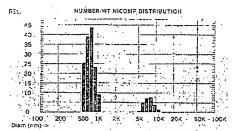


Figure 2d - pDNA + 200ug/ml BAC. Time until measurement after mixing 2 hours. (complex is neutrally charged)

Figure 2. Measurement of BAC / plasmid DNA particle formation

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Atty. Docket: TSR-10002/38
Attorney: Avery N. Goldstein (248) 647-6000

3/7

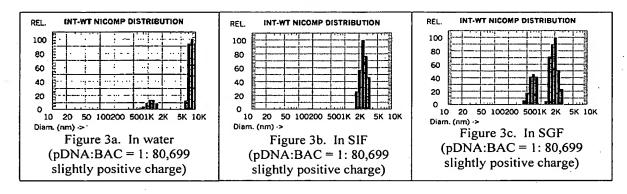
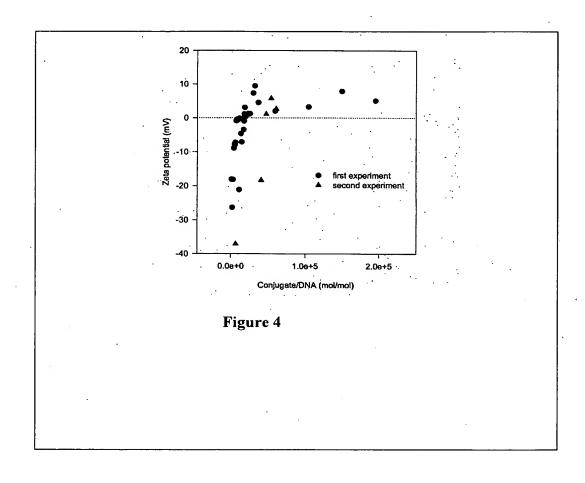


Figure 3. BAC condensed plasmid DNA particle size in simulated gastric or intestinal fluid

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Atty. Docket: TSR-10002/38
Attorney: Avery N. Goldstein (248) 647-6000

4/7

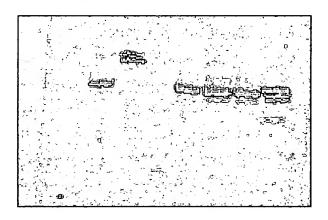


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Atty. Docket: TSR-10002/38
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5/7

## Figure 5

3 5 6 7 Lanes



## Lanes

- 1) DNA + BAC + PAA + DNaseI
  2) DNA + BAC + DNaseI
  3) DNA + DNaseI
  4) DNA + BAC + PAA

- 5) DNA + BAC
- 6) DNA
- 7) DNA size standard

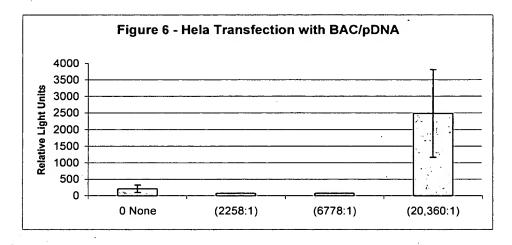


Figure 6. In vitro transfection of Hela cells with BAC/luciferase pDNA.

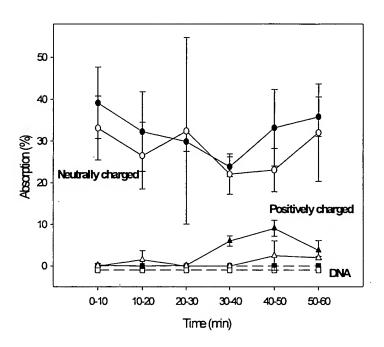


Figure 7